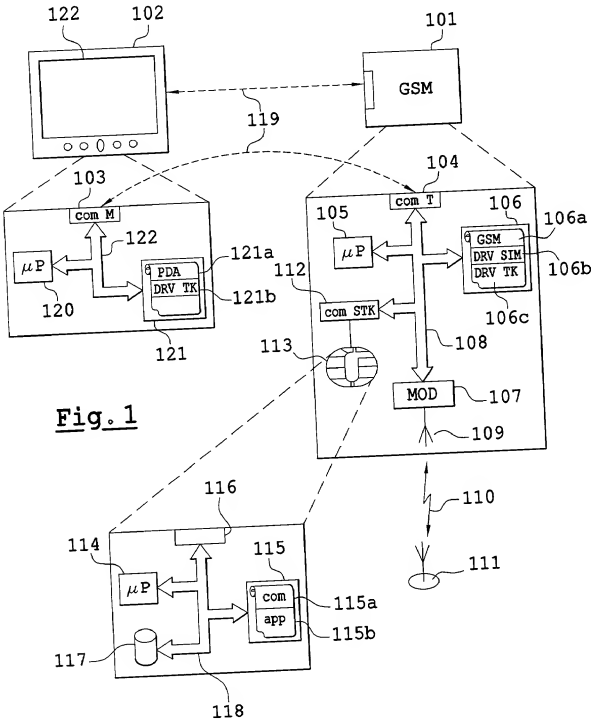
122
102
101
GSM
119
103
104
com M
com T
105
106
106a
122
μP
PDA
DRV TK
121a
121b
120
121
112
GSM
DRV SIM
DRV TK
106b
106c
com STK
113
108
MOD
107
109
110
111
116
114
115
μP
com
app
115a
115b
117
118

Fig. 1

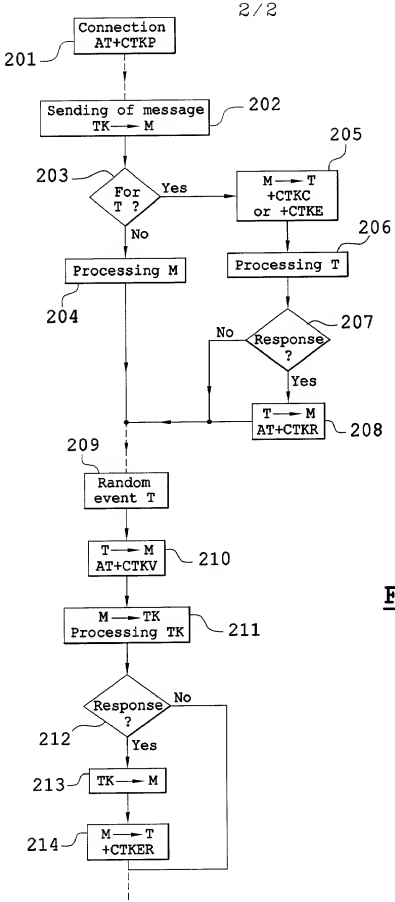
Connection
AT+CTKP
201
Sending of message
TK → M
202
205
203
For
T ?
Yes
M → T
+CTKC
or +CTKE
206
No
Processing M
Processing T
204
No
Response
?
207
Yes
T → M
AT+CTKR
208
209
Random
event T
T → M
AT+CTKV
210
M → TK
Processing TK
211
Response
?
No
212
Yes
213
TK → M
214
M → T
+CTKER

Fig. 2